

Focus Area 8: Environmental Health

Objective 8-1 targets a reduction in the proportion of persons exposed to air that does not meet the U.S. Environmental Protection Agency (EPA) health-based standards for harmful air pollutants. The following sub-objectives are tracked using California nonattainment area data available from the EPA's AirData system:

Objective 8-1a targets reduction in the proportion of persons exposed to ozone (O₃) to zero. California data for 2006 indicate that all or parts of 35 counties were in nonattainment status for ozone (8-hour), which included 34,689,700 persons or 93.3 percent of the state's population (Table 8-1a, Map 8-1a).

Objective 8-1b targets reduction in the proportion of persons exposed to particulate matter (PM₁₀) to zero by the year 2010. All or parts of 15 California counties were in nonattainment status for PM₁₀ during 2006, which included 21,632,534 persons or 58.2 percent of the state's population (Table 8-1b, Map 8-1b).

Objective 8-1c targets reduction in the proportion of persons exposed to carbon monoxide (CO) to zero. All or parts of four California counties were in nonattainment status during 2006, which included 16,058,354 persons or 43.2 percent of the state's population (Table 8-1c, Map 8-1c).

For more information on the health effects of ozone, particulate matter, and carbon monoxide please see <http://www.epa.gov/air/oagps/greenbk/o3co.html>

For more information on environmental health and air pollution, please visit:

U.S. EPA AirData Web site at: <http://www.epa.gov/air/data/>

California EPA Web site at: <http://www.calepa.ca.gov/>

California Air Resources Board at: <http://www.arb.ca.gov/homepage.htm>

California Environmental Health Investigations Branch at:
<http://www.ehib.org/cma/index.jsp>

For more information on Healthy People 2010 objective 8-1, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume1/08Environmental.htm>

and

<http://www.healthypeople.gov/Document/html/tracking/od08.htm>

Table 8-1a. Persons living in nonattainment areas for ozone (O₃), California 2006

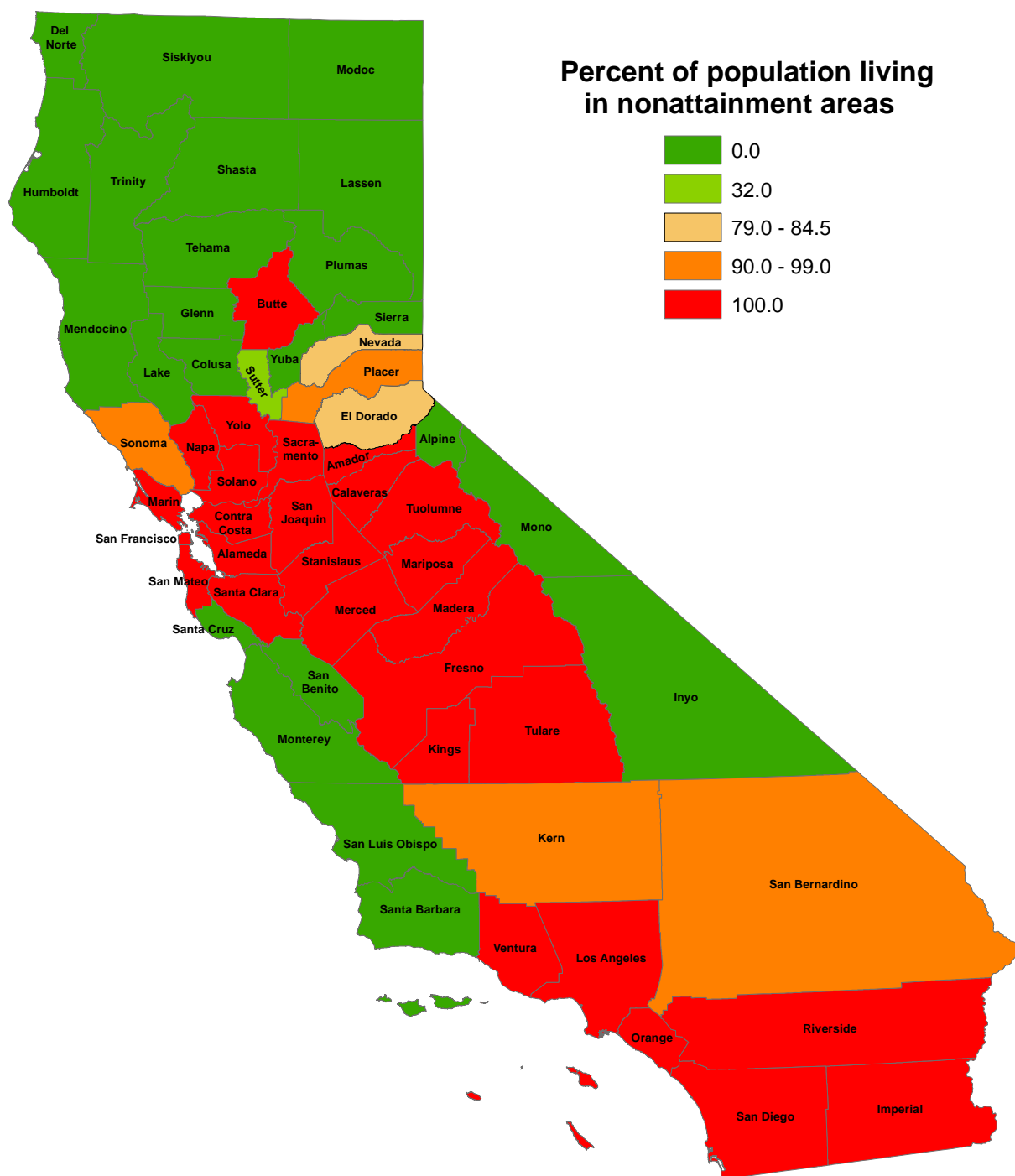
COUNTY	Persons living in nonattainment areas ¹	Persons living in county ²	Percent of population in nonattainment areas ¹	COUNTY	Persons living in nonattainment areas ¹	Persons living in county ²	Percent of population in nonattainment areas ¹
Alameda	1,510,303	1,510,303	100.0%	Placer	305,778	316,508	96.6%
Alpine	0	1,241	0.0%	Plumas	0	21,444	0.0%
Amador	38,133	38,133	100.0%	Riverside	1,953,330	1,953,330	100.0%
Butte	217,209	217,209	100.0%	Sacramento	1,385,607	1,385,607	100.0%
Calaveras	45,711	45,711	100.0%	San Benito	0	57,627	0.0%
Colusa	0	21,512	0.0%	San Bernardino	1,968,612	1,991,829	98.8%
Contra Costa	1,029,377	1,029,377	100.0%	San Diego	3,066,820	3,066,820	100.0%
Del Norte	0	29,196	0.0%	San Francisco	798,680	798,680	100.0%
El Dorado	139,906	176,204	79.4%	San Joaquin	668,265	668,265	100.0%
Fresno	899,514	899,514	100.0%	San Luis Obispo	0	263,242	0.0%
Glenn	0	28,651	0.0%	San Mateo	724,104	724,104	100.0%
Humboldt	0	132,526	0.0%	Santa Barbara	0	421,625	0.0%
Imperial	166,585	166,585	100.0%	Santa Clara	1,773,258	1,773,258	100.0%
Inyo	0	18,515	0.0%	Santa Cruz	0	262,351	0.0%
Kern	765,519	779,869	98.2%	Shasta	0	181,483	0.0%
Kings	147,729	147,729	100.0%	Sierra	0	3,501	0.0%
Lake	0	64,105	0.0%	Siskiyou	0	46,146	0.0%
Lassen	0	35,452	0.0%	Solano	422,848	422,848	100.0%
Los Angeles	10,245,572	10,245,572	100.0%	Sonoma	432,944	479,929	90.2%
Madera	144,396	144,396	100.0%	Stanislaus	514,370	514,370	100.0%
Marin	253,341	253,341	100.0%	Sutter	28,982	91,450	31.7%
Mariposa	18,216	18,216	100.0%	Tehama	0	61,533	0.0%
Mendocino	0	90,445	0.0%	Trinity	0	14,024	0.0%
Merced	246,751	246,751	100.0%	Tulare	420,619	420,619	100.0%
Modoc	0	9,836	0.0%	Tuolumne	58,231	58,231	100.0%
Mono	0	13,597	0.0%	Ventura	817,346	817,346	100.0%
Monterey	0	424,842	0.0%	Yolo	190,344	190,344	100.0%
Napa	134,444	134,444	100.0%	Yuba	0	69,827	0.0%
Nevada	84,520	100,066	84.5%				
Orange	3,072,336	3,072,336	100.0%	Statewide	34,689,700	37,172,015	93.3%

SOURCES: U.S. Environmental Protection Agency, AirData, 12/06; California Department of Finance, Population Estimates, Report E-1, 5/06.

NOTES: ¹ Estimates derived from US EPA, AirData, Ozone (8-hour).

² County population estimates derived from CA DOF.

Map 8-1a: Criteria Air Pollutants - Ozone California, 2006



SOURCES: U.S. EPA AirData, December 2006; CA Department of Finance, Population Estimates, May 2006.

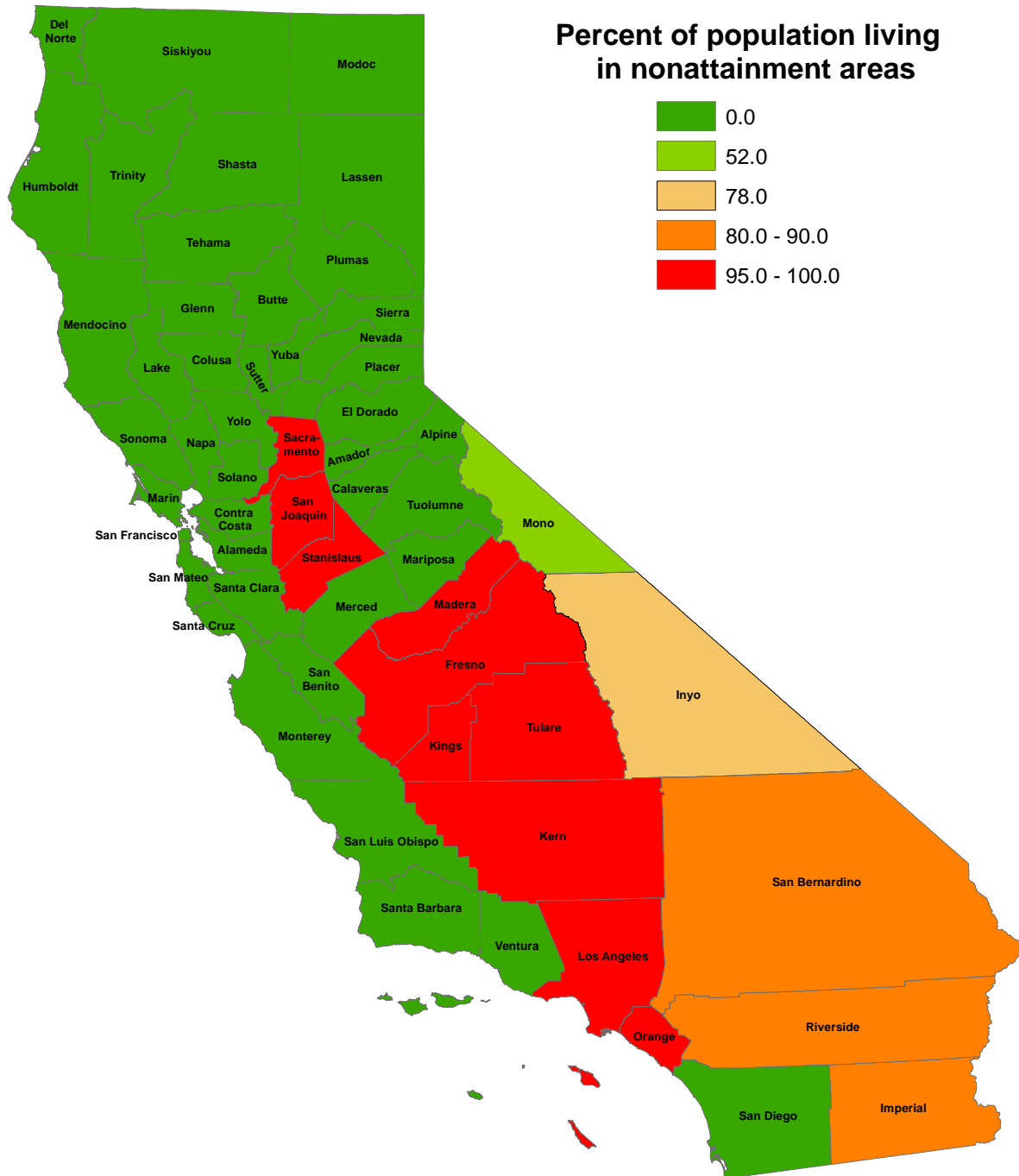
Table 8-1b. Persons living in nonattainment areas for particulate matter (PM₁₀), California 2006

COUNTY	Persons living in nonattainment areas ¹	Persons living in county ²	Percent of population in nonattainment areas ¹	COUNTY	Persons living in nonattainment areas ¹	Persons living in county ²	Percent of population in nonattainment areas ¹
Alameda	0	1,510,303	0.0%	Placer	0	316,508	0.0%
Alpine	0	1,241	0.0%	Plumas	0	21,444	0.0%
Amador	0	38,133	0.0%	Riverside	1,740,241	1,953,330	89.1%
Butte	0	217,209	0.0%	Sacramento	1,385,607	1,385,607	100.0%
Calaveras	0	45,711	0.0%	San Benito	0	57,627	0.0%
Colusa	0	21,512	0.0%	San Bernardino	1,786,328	1,991,829	89.7%
Contra Costa	0	1,029,377	0.0%	San Diego	0	3,066,820	0.0%
Del Norte	0	29,196	0.0%	San Francisco	0	798,680	0.0%
El Dorado	0	176,204	0.0%	San Joaquin	668,265	668,265	100.0%
Fresno	899,514	899,514	100.0%	San Luis Obispo	0	263,242	0.0%
Glenn	0	28,651	0.0%	San Mateo	0	724,104	0.0%
Humboldt	0	132,526	0.0%	Santa Barbara	0	421,625	0.0%
Imperial	140,214	166,585	84.2%	Santa Clara	0	1,773,258	0.0%
Inyo	14,445	18,515	78.0%	Santa Cruz	0	262,351	0.0%
Kern	765,519	779,869	98.2%	Shasta	0	181,483	0.0%
Kings	147,729	147,729	100.0%	Sierra	0	3,501	0.0%
Lake	0	64,105	0.0%	Siskiyou	0	46,146	0.0%
Lassen	0	35,452	0.0%	Solano	0	422,848	0.0%
Los Angeles	9,925,849	10,245,572	96.9%	Sonoma	0	479,929	0.0%
Madera	144,396	144,396	100.0%	Stanislaus	514,370	514,370	100.0%
Marin	0	253,341	0.0%	Sutter	0	91,450	0.0%
Mariposa	0	18,216	0.0%	Tehama	0	61,533	0.0%
Mendocino	0	90,445	0.0%	Trinity	0	14,024	0.0%
Merced	0	246,751	0.0%	Tulare	420,619	420,619	100.0%
Modoc	0	9,836	0.0%	Tuolumne	0	58,231	0.0%
Mono	7,102	13,597	52.2%	Ventura	0	817,346	0.0%
Monterey	0	424,842	0.0%	Yolo	0	190,344	0.0%
Napa	0	134,444	0.0%	Yuba	0	69,827	0.0%
Nevada	0	100,066	0.0%				
Orange	3,072,336	3,072,336	100.0%	Statewide	21,632,534	37,172,015	58.2%

SOURCES: U.S. Environmental Protection Agency, AirData, 12/06; California Department of Finance, Population Estimates, Report E-1, 5/06.

NOTES: ¹ Estimates derived from US EPA, AirData, Particulate Matter (size < 10 micrometers).² County population estimates derived from CA DOF.

Map 8-1b: Criteria Air Pollutants - Particulate Matter 10 California, 2006



SOURCES: U.S. EPA AirData, December 2006; CA Department of Finance, Population Estimates, May 2006.

Table 8-1c. Persons living in nonattainment areas for carbon monoxide (CO), California 2006

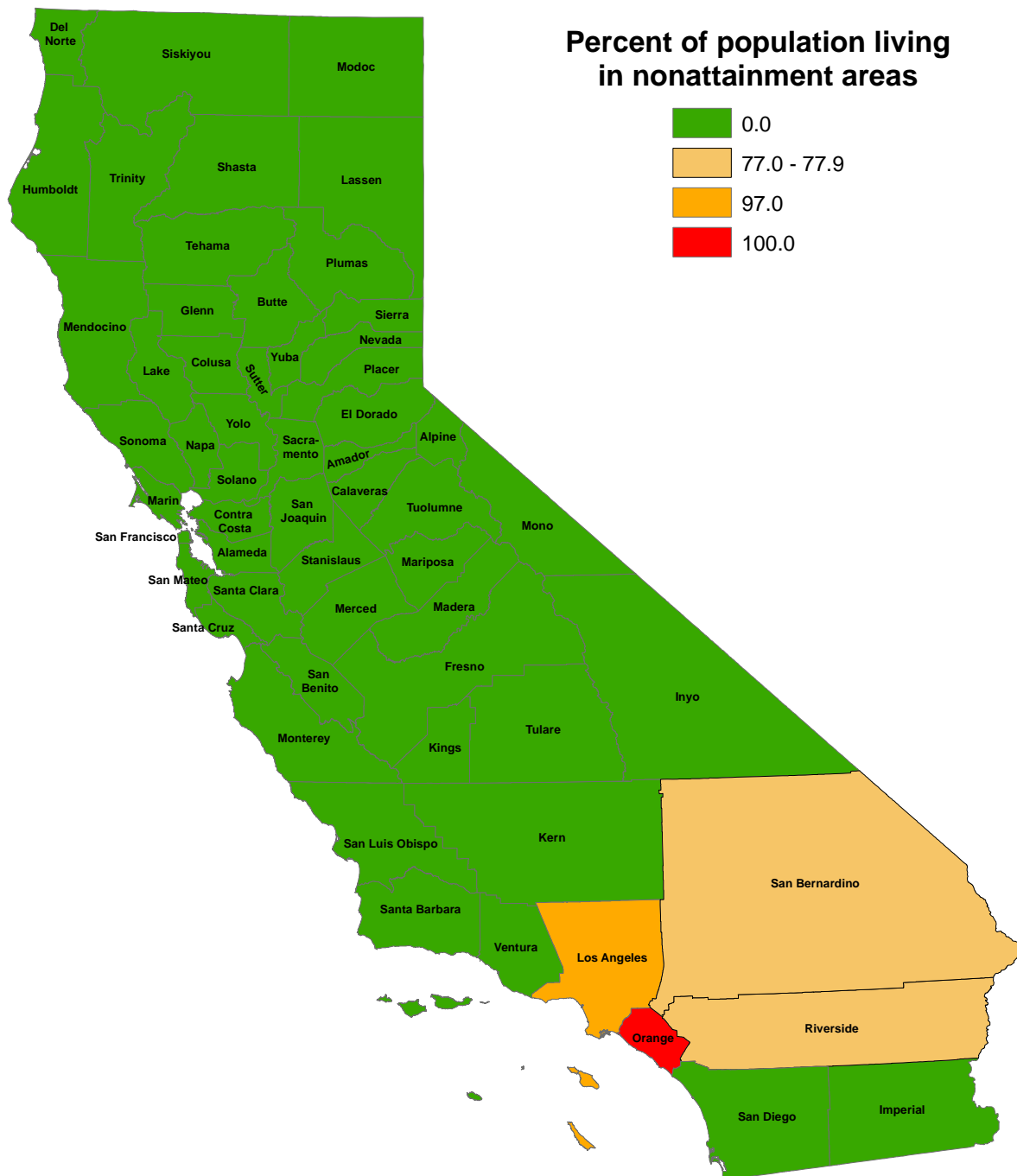
COUNTY	Persons living in nonattainment areas ¹	Persons living in county ²	Percent of population in nonattainment areas ¹	COUNTY	Persons living in nonattainment areas ¹	Persons living in county ²	Percent of population in nonattainment areas ¹
Alameda	0	1,510,303	0.0%	Placer	0	316,508	0.0%
Alpine	0	1,241	0.0%	Plumas	0	21,444	0.0%
Amador	0	38,133	0.0%	Riverside	1,510,272	1,953,330	77.3%
Butte	0	217,209	0.0%	Sacramento	0	1,385,607	0.0%
Calaveras	0	45,711	0.0%	San Benito	0	57,627	0.0%
Colusa	0	21,512	0.0%	San Bernardino	1,549,898	1,991,829	77.8%
Contra Costa	0	1,029,377	0.0%	San Diego	0	3,066,820	0.0%
Del Norte	0	29,196	0.0%	San Francisco	0	798,680	0.0%
El Dorado	0	176,204	0.0%	San Joaquin	0	668,265	0.0%
Fresno	0	899,514	0.0%	San Luis Obispo	0	263,242	0.0%
Glenn	0	28,651	0.0%	San Mateo	0	724,104	0.0%
Humboldt	0	132,526	0.0%	Santa Barbara	0	421,625	0.0%
Imperial	0	166,585	0.0%	Santa Clara	0	1,773,258	0.0%
Inyo	0	18,515	0.0%	Santa Cruz	0	262,351	0.0%
Kern	0	779,869	0.0%	Shasta	0	181,483	0.0%
Kings	0	147,729	0.0%	Sierra	0	3,501	0.0%
Lake	0	64,105	0.0%	Siskiyou	0	46,146	0.0%
Lassen	0	35,452	0.0%	Solano	0	422,848	0.0%
Los Angeles	9,925,849	10,245,572	96.9%	Sonoma	0	479,929	0.0%
Madera	0	144,396	0.0%	Stanislaus	0	514,370	0.0%
Marin	0	253,341	0.0%	Sutter	0	91,450	0.0%
Mariposa	0	18,216	0.0%	Tehama	0	61,533	0.0%
Mendocino	0	90,445	0.0%	Trinity	0	14,024	0.0%
Merced	0	246,751	0.0%	Tulare	0	420,619	0.0%
Modoc	0	9,836	0.0%	Tuolumne	0	58,231	0.0%
Mono	0	13,597	0.0%	Ventura	0	817,346	0.0%
Monterey	0	424,842	0.0%	Yolo	0	190,344	0.0%
Napa	0	134,444	0.0%	Yuba	0	69,827	0.0%
Nevada	0	100,066	0.0%				
Orange	3,072,335	3,072,336	100.0%	Statewide	16,058,354	37,172,015	43.2%

SOURCES: U.S. Environmental Protection Agency, AirData, 12/06; California Department of Finance, Population Estimates, Report E-1, 5/06.

NOTES: ¹ Estimates derived from US EPA, AirData, Carbon Monoxide (CO).

² County population estimates derived from CA DOF.

Map 8-1c: Criteria Air Pollutants - Carbon Monoxide California, 2006



SOURCES: U.S. EPA AirData, December 2006; CA Department of Finance, Population Estimates, May 2006.